# CIVIL TECH LABS

# 5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com


## TEST REPORT

### TESTS ON REINFORCEMENT STEEL BAR 8 mm

| | |
|---|---|
| **Name & Address of the Customer** | AEE, Yelahanka Satalite Town Sub Division, BBMP |
| **Name of Work** | Reconstruction of drain and providing covering slab in Mathru layout in ward no 04. |
| **Name of the Agency** | Sri. K. Mallamma |
| **Date of Testing** | 03/06/2015 |

| Sl.No. | Description | Result | IS 1786-2008 Min. Requirements | Remarks |
|---|---|---|---|---|
| 1 | Measured Diameter mm | 8 | 8 | Satisfactory |
| 2 | Wt/m Length (Kg/m) | 0.397 | 0.395 | Satisfactory |
| 3 | Bend & RebendTest | Pass | Should not Crack or Fracture | Satisfactory |
| 4 | Elongation (%) | 14.6 | 14.5 | Satisfactory |
| 5 | Yield Stress(N/Sq.mm) | 420 | 415 | Satisfactory |
| 6 | U T S (N/Sq.mm) | 525 | 485 | Satisfactory |

**Note:**

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

# CIVIL TECH LABS

# 5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com


## TEST REPORT

### TESTS ON REINFORCEMENT STEEL BAR 10mm

| | |
|---|---|
| **Name & Address of the Customer** | AEE, Yelahanka Satalite Town Sub Division, BBMP |
| **Name of Work** | Reconstruction of drain and providing covering slab in Mathru layout in ward no 04. |
| **Name of the Agency** | Sri. K. Mallamma |
| **Date of Testing** | 03/06/2015 |

| Sl.No. | Description | Result | IS 1786-2008 Min. Requirements | Remarks |
|---|---|---|---|---|
| 1 | Measured Diameter mm | 10 | 10 | Satisfactory |
| 2 | Wt/m Length (Kg/m) | 0.619 | 0.617 | Satisfactory |
| 3 | Bend & RebendTest | Pass | Should not Crack or Fracture | Satisfactory |
| 4 | Elongation (%) | 14.8 | 14.5 | Satisfactory |
| 5 | Yield Stress(N/Sq.mm) | 422 | 415 | Satisfactory |
| 6 | U T S (N/Sq.mm) | 528 | 485 | Satisfactory |

**Note:**

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

# CIVIL TECH LABS

# 5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com


## TEST REPORT

TESTS ON REINFORCEMENT STEEL BAR 12 mm

| | |
|---|---|
| **Name & Address of the Customer** | AEE, Yelahanka Satalite Town Sub Division, BBMP |
| **Name of Work** | Reconstruction of drain and providing covering slab in Mathru layout in ward no 04. |
| **Name of the Agency** | Sri. K. Mallamma |
| **Date of Testing** | 03/06/2015 |

| Sl.No. | Description | Result | IS 1786-2008 Min. Requirements | Remarks |
|---|---|---|---|---|
| 1 | Measured Diameter mm | 12 | 12 | Satisfactory |
| 2 | Wt/m Length (Kg/m) | 0.888 | 0.888 | Satisfactory |
| 3 | Bend & RebendTest | Pass | Should not Crack or Fracture | Satisfactory |
| 4 | Elongation (%) | 15.2 | 14.5 | Satisfactory |
| 5 | Yield Stress(N/Sq.mm) | 424 | 415 | Satisfactory |
| 6 | U T S (N/Sq.mm) | 530 | 485 | Satisfactory |

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

# CIVIL TECH LABS

# 5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com


## TEST REPORT

### COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

| | |
|---|---|
| **Name & Address of the Customer** | AEE, Yelahanka Satalite Town Sub Division, BBMP |
| **Name of Work** | Reconstruction of drain and providing covering slab in Mathru layout in ward no 04. |
| **Name of Agency** | Sri. K. Mallamma |
| **Grade of Concrete** | M-20 |
| **No. of cubes tested** | 3 |
| **Dimension of Specimen** | 150mmx150mmx150mm |
| **Cross Sectional Area** | 22500 mm² |
| **Technical Reference** | IS: 516-1959 (Reaffirmed 2013) |

| Sl. No. | Identification | Date of Casting | Date of Testing | Age at test (Days) | Weight (Kg) | Failure Load (KN) | Compressive Strength (N/mm²) | Avg Compressive Strength (N/mm²) |
|---|---|---|---|---|---|---|---|---|
| 1 | CC-Work | 01/06/2015 | 08/06/2015 | 7 | 8.16 | 330 | **14.67** | **14.93** |
| 2 | | | | | 8.17 | 336 | **14.93** | |
| 3 | | | | | 8.18 | 342 | **15.20** | |

**Note:**

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

# CIVIL TECH LABS

Accredited by **NABL** as per ISO/ IEC 17025 : 2005

# 5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654


To,

Assistant Executive Engineer
Yelahanka Satalite Town Sub Division,
BBMP.

29th June 2015

Dear Sir,

**Sub:** Reconstruction of drain and providing covering slab in Mathru layout in ward no 04.
Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Reports of the above.

Thanking you,

**For Civil Tech Labs,**

Khushboo

CIVIL TECH LABS BANGALORE

**(KHUSHBOO L.)**
**Quality Manager**

# CIVIL TECH LABS

# 5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com


## TEST REPORT

### COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

| | |
|---|---|
| **Name & Address of the Customer** | AEE, Yelahanka Satalite Town Sub Division, BBMP |
| **Name of Work** | Reconstruction of drain and providing covering slab in Mathru layout in ward no 04. |
| **Name of Agency** | Sri. K. Mallamma |
| **Grade of Concrete** | M-20 |
| **No. of cubes tested** | 3 |
| **Dimension of Specimen** | 150mmx150mmx150mm |
| **Cross Sectional Area** | 22500 $mm^2$ |
| **Technical Reference** | IS: 516-1959 (Reaffirmed 2013) |

| Sl. No. | Identification | Date of Casting | Date of Testing | Age at test (Days) | Weight (Kg) | Failure Load (KN) | Compressive Strength ($N/mm^2$) | Avg Compressive Strength ($N/mm^2$) |
|---|---|---|---|---|---|---|---|---|
| 1 | CC-Work | 01/06/2015 | 29/06/2015 | 28 | 8.18 | 470 | **20.89** | **21.19** |
| 2 | | | | | 8.19 | 475 | **21.11** | |
| 3 | | | | | 8.20 | 485 | **21.56** | |

**Note:**

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

# CIVIL TECH LABS

Accredited by NABL as per ISO/ IEC 17025 : 2005

# 5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654


To,

Assistant Executive Engineer
Yelahanka Satalite Town Sub Division,
BBMP.

11th June2015

Dear Sir,

**Sub:** Reconstruction of drain and providing covering slab in Mathru layout in ward no 04.
Testing of cubes – Reg.

As requested the 07th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Reports of the above.

Thanking you,

**For Civil Tech Labs,**

Khushboo

CIVIL TECH LABS BANGALORE

**(KHUSHBOO L.)**
**Quality Manager**

# CIVIL TECH LABS

# 5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com


## TEST REPORT

### COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

| | |
|---|---|
| **Name & Address of the Customer** | AEE, Yelahanka Satalite Town Sub Division, BBMP |
| **Name of Work** | Reconstruction of drain and providing covering slab in Mathru layout in ward no 04. |
| **Name of Agency** | Sri. K. Mallamma |
| **Grade of Concrete** | M-20 |
| **No. of cubes tested** | 3 |
| **Dimension of Specimen** | 150mmx150mmx150mm |
| **Cross Sectional Area** | 22500 $mm^2$ |
| **Technical Reference** | IS: 516-1959 (Reaffirmed 2013) |

| Sl. No. | Identification | Date of Casting | Date of Testing | Age at test (Days) | Weight (Kg) | Failure Load (KN) | Compressive Strength ($N/mm^2$) | Avg Compressive Strength ($N/mm^2$) |
|---|---|---|---|---|---|---|---|---|
| 1 | Sample-1 | 04/06/2015 | 11/06/2015 | 7 | 8.15 | 338 | **15.02** | **15.20** |
| 2 | | | | | 8.16 | 342 | **15.20** | |
| 3 | | | | | 8.17 | 346 | **15.38** | |

**Note:**

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

# CIVIL TECH LABS

# 5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com


## TEST REPORT

### COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

| | |
|---|---|
| **Name & Address of the Customer** | AEE, Yelahanka Satalite Town Sub Division, BBMP |
| **Name of Work** | Reconstruction of drain and providing covering slab in Mathru layout in ward no 04. |
| **Name of Agency** | Sri. K. Mallamma |
| **Grade of Concrete** | M-20 |
| **No. of cubes tested** | 3 |
| **Dimension of Specimen** | 150mmx150mmx150mm |
| **Cross Sectional Area** | 22500 mm² |
| **Technical Reference** | IS: 516-1959 (Reaffirmed 2013) |

| Sl. No. | Identification | Date of Casting | Date of Testing | Age at test (Days) | Weight (Kg) | Failure Load (KN) | Compressive Strength (N/mm²) | Avg Compressive Strength (N/mm²) |
|---|---|---|---|---|---|---|---|---|
| 1 | Sample-2 | 04/06/2015 | 11/06/2015 | 7 | 8.16 | 336 | **14.93** | **15.11** |
| 2 | | | | | 8.17 | 340 | **15.11** | |
| 3 | | | | | 8.19 | 344 | **15.29** | |

**Note:**

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE